

EOT Crane

EOT(Electric Overhead Traveling) crane, this is most common type of overhead crane, found in most factories. As obvious from name, these cranes are electrically operated by a control pendant, radio/IR remote pendant or from an operator cabin attached with the crane itself.

An EOT crane, commonly called a bridge crane, is a type of crane found in industrial environments. An EOT crane consists of parallel runways with a traveling bridge spanning the gap. A hoist, the lifting component of a crane, travels along the bridge. If the bridge is rigidly supported on two or more legs running on a fixed rail at ground level, the crane is called a gantry crane (USA, ASME B30 series) or a goliath crane (UK, BS 466).

Unlike mobile or construction cranes, EOT cranes are typically used for either manufacturing or maintenance applications, where efficiency or downtime are critical factors.

Application

EOT cranes are commonly used in the refinement of steel and other metals such as copper and aluminium. At every step of the manufacturing process, until it leaves a factory as a finished product, metal is handled by an EOT crane. Raw materials are poured into a furnace by crane, hot metal is then rolled to specific thickness and

tempered or annealed, and then stored by an EOT crane for cooling, the finished coils are lifted and loaded onto trucks and trains by EOT crane, and the fabricator or stamper uses an EOT crane to handle the steel in his factory. The automobile industry uses EOT cranes to handle raw materials. Smaller workstation cranes, such as jib cranes or gantry cranes, handle lighter loads in a work area, such as CNC mill or saw.

Almost all paper mills use bridge cranes for regular maintenance needing removal of heavy press rolls and other equipment. The bridge cranes are used in the initial construction of paper machines because they make it easier to install the heavy cast iron paper drying drums and other massive equipment, some weighing as much as 70 tons.

In many instances the cost of a bridge crane can be largely offset with savings from not renting mobile cranes in the construction of a facility that uses a lot of heavy process equipment.

Single girder EOT Crane



Single girder top running cranes utilized for medium to heavy fabrication. These overhead cranes are ideally suited to low buildings, where a high hook lift height is required.

The top running configuration is best used in cases where the end user has issues with headroom. The most space efficient configuration is the double girder, top running crane system.

Lifting capacity: 0.25-20ton

Span length: 7.5-32mtrs

Lifting height: 6-30mtrs

Working duty: Class C or D

Power: AC 3Ph 380V 50Hz or according to client's requirement

Control mode: Cabin control/remote control/control panel with pendant line

Double Girder EOT Crane



The double girder top running overhead crane is a very heavy duty crane, normally used by larger manufacturers and steel warehouses. Double girder [EOT cranes](#) are an excellent choice where high speeds and heavy service are required. Double girder cranes are highly suitable for applications requiring walkways, lights and other special equipment.

Lifting capacity: 5-500ton

Span length: 7.5-32mtrs

Lifting height: 6-30mtrs

Working duty: Class D

Power: AC 3Ph 380V 50Hz or according to client's requirement

Control mode: Cabin control/remote control/control panel with pendant line

Single Girder Underslung EOT Crane



Single girder [underslung EOT cranes](#), usually suspended from roof trusses, are mainly utilized inside pumping stations and small workshops, for maintenance purposes. The cranes are compact in design and construction, making them ideal for low buildings where maximum hook height is required.

When headroom is not an issue a top or under running configuration can be used with either the double or single girder bridge crane.

Lifting capacity: 0.5-10Tons

Span length: 3 m to 25 mtrs

Lifting height: 0.5 m to 80 mtrs

Working duty: Class C

Power: AC 3Ph 380V 50Hz or according to client's requirement

Control mode: Cabin control/remote control/control panel with pendant line

More information visit our site: <http://www.kscranegroup.com>